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- ☐ 1. [METHODS AND COMPOSITIONS FOR DNA MANIPULATION](#)
BITINAITE, Jurate / NEW ENGLAND BIOLABS, INC., PATENT COOPERATION TREATY APPLICATION, Oct 2003

...deoxyinosine. Examples of 25 **nicking** agents described herein...excising deoxyuridine (U) - **UDG** glycosylase in a mixture...a mixture containing **UDG** glycosylase, FPG glycosylase...EndoIV endonuclease or **UDG** s glycosylase in a mixture...are present 10 in the **nicking** agent in an activity ratio...

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- ☐ 2. [SYNTHETIC GENES](#)
SANTI, Daniel / KODUMAL, Sarah, J. / REID, Ralph, C. / PATEL, Kedar, G. / KOSAN BIOSCIENCES, INC., PATENT COOPERATION TREATY APPLICATION, Nov 2005
- ...generate a DNA unit encoding a polypeptide segment and adding **UDG**-containing linkers to the 5' and 3' ends of the DNA unit by PCR...amplification, thereby generating a tinkered DNA unit, wherein the same **UDG**-containing linkers are added to said different DNA units. In...

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- ☐ 3. [SYNTHETIC GENES](#)
SANTI, Daniel, V. / REID, Ralph, C. / KODUMAL, Sarah, J. / JAYARAJ, Sebastian / KOSAN BIOSCIENCES, INC., PATENT COOPERATION TREATY APPLICATION, Apr 2004
- ...generate a DNA unit encoding a polypeptide segment and adding **UDG**-containing linkers to the 5' and 3' ends of the DNA unit by PCR...amplification, thereby generating a tinkered DNA unit, wherein the same **UDG**-containing linkers are added to said different DNA units. In...

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- ☐ 4. [METHOD FOR THE AMPLIFICATION AND OPTIONAL CHARACTERISATION OF NUCLEIC ACIDS](#)

McCARTHY, Thomas, Valentine / COLLINS, Ruairi / University College Cork-National University of Ireland, Cork, EUROPEAN PATENT, Jul 2003

...downstream strand that is functionally equivalent to T1. **Nicking** and

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UDG Record
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polymerisation/displacement steps cycle continuously...embodiment, the DNA glycosylase is uracil DNA-glycosylase (**UDG**). Uracil in DNA is recognised specifically by **UDG** and released from DNA. U

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☐ 5. Nuclease

Janulaitis, Arvydas / Stankevicius, Kornelijus / Lubys, Arvydas / Markauskas, Algimantas / Fermentas AB, EUROPEAN PATENT, Jan 2002


...imperfection of this protein is that **nicking** of DNA is not very efficient so it is impossible to achieve **nicking** of all substrate. A typical yield is...endonuclease Eco AI that were capable of **nicking** double stranded DNA (Nucleic Acids Research...

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☐ 6. NUCLEIC ACID MOLECULES CONTAINING RECOMBINATION SITES AND METHODS OF USING THE SAME

CHESNUT, Jon / LEONG, Louis / INVITROGEN CORPORATION, PATENT COOPERATION TREATY APPLICATION, Jun 2005

The present invention relates to the fields of biotechnology and molecular biology. In particular, the present invention relates to the construction and use of nucleic acid molecules comprising cloning sites which differ in nucleotide sequence. In...

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☐ 7. ENRICHMENT OF NUCLEIC ACID

WAHLESTEDT, Claes / LI, Jingfeng / ZABAROVSKY, Veronika / ZABAROVSKY, Eugene / KAROLINSKA INNOVATIONS AB, PATENT COOPERATION TREATY APPLICATION, Jun 2001


...approaches for subtraction at a **cdNA** level have been suggested and...nuclear antigen 2 by subtractive **cdNA** cloning and high-throughput...perfect duplexes will escape **nicking** during this step. All DNA molecules...with uracil-DNA glycosylase (**UDG**) and mung bean nuclease, PCR...

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☐ 8. MULTIPLEX PCR

WILLIS, Thomas, Daniel / PARALLELE BIOSCIENCE, INC., PATENT COOPERATION TREATY APPLICATION, May 2003


Compositions and methods for nucleic acid amplification are provided that minimize the formation and amplification of spurious products, particularly in multiplex amplification reactions. Linear amplification molecules are provided. A first...

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☐ 9. ALKYLATING AGENT COMBINATIONS IN THE TREATMENT OF CANCER

GERSON, Stanton, L. / LIU, Lili / CASE WESTERN RESERVE UNIVERSITY, PATENT COOPERATION TREATY APPLICATION, Aug 2003

This application provides compositions and methods useful in the treatment of certain cancers. In part, this application is based on the recognition that certain molecules that target abasic lesions or AP sites in DNA improve, augment, or potentiate...

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☐ 10. GENOME WALKING BY SELECTIVE AMPLIFICATION OF NICK-TRANSLATE DNA LIBRARY AND AMPLIFICATION FROM COMPLEX MIXTURES OF TEMPLATES

MAKAROV, Vladimir, L. / KAMBEROV, Emmanuel / SLEPTSOVA, Irina / RUBICON

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Clinical Immunology, Volume 109, Issue 2, November 2003, Pages 144-153
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Bone, Volume 33, Issue 5, November 2003, Pages 760-770
Rongfa Bu, Christopher W. Borysenko, Yanan Li, Lihuan Cao, Afsie Sabokbar and Harry C. Blair
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